

IN THE CLAIMS:

Please CANCEL claims 1-10 without prejudice to or disclaimer of the recited subject matter.

Please ADD new claims 11-22, as follows. For the Examiner's convenience, all claims currently pending in this application have been reproduced below:

1-10. (Canceled)

11. (New) A moving apparatus comprising:

a first actuator having a movable element and a stator;

a second actuator which drives said stator;

a feed forward compensator which controls said second actuator on the basis of a signal supplied to said first actuator or a physical quantity of said movable element; and

a compensator which controls said second actuator on the basis of an acceleration of said movable element,

wherein said second actuator drives said stator in a direction to suppress rotation of said stator which accompanies movement of said movable element.

12. (New) The apparatus according to claim 11, wherein a target acceleration is used as the acceleration of said movable element.

13. (New) The apparatus according to claim 11, wherein an actual acceleration measured by a measurement unit is used as the acceleration of said movable element.

14. (New) The apparatus according to claim 11, wherein the signal includes a manipulated variable with which said first actuator is operated.

15. (New) The apparatus according to claim 11, wherein a gain of said compensator is determined in accordance with a distance between a power point of said movable element in a predetermined direction and a barycenter of said stator when said movable element is driven by said first actuator.

16. (New) The apparatus according to claim 11, wherein said stator absorbs a reaction force that acts on said stator when said movable element is driven by said first actuator.

17. (New) A moving apparatus comprising:

- a first actuator having a movable element and a stator;
- a second actuator which drives said stator; and
- a feed forward compensator which controls said second actuator on the basis of a signal supplied to said first actuator or a physical quantity of said movable element,

wherein said second actuator drives said stator in a direction to suppress rotation of said stator which accompanies movement of said movable element, and

wherein a gain of said compensator is determined in accordance with a distance between a power point of said movable element in a predetermined direction and a barycenter of said stator when said movable element is driven by said first actuator.

18. (New) The apparatus according to claim 17, further comprising a compensator which controls said second actuator on the basis of an acceleration of said movable element.

19. (New) The apparatus according to claim 18, wherein a target acceleration is used as the acceleration of said movable element.

20. (New) The apparatus according to claim 18, wherein an actual acceleration measured by a measurement unit is used as the acceleration of said movable element.

21. (New) The apparatus according to claim 17, wherein the signal includes a manipulated variable with which said first actuator is operated.

22. (New) The apparatus according to claim 17, wherein said stator absorbs a reaction force that acts on said stator when said movable element is driven by said first actuator.